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(64 22 2. 1993 \$)	Street Address
Ca. State Mark	City, State and ZIP Code
NEAL RENNEDY LANEY, DOUGHERTY, HESSIN & BEAVER	CO-INVENTOR'S NAME
TWO LEADERSHIP SQ.,	Street Address
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OKLAHOMA CITY, OK 73102-7114	City, State and ZIP Code
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SERIES CODE/SERIAL NO. FILING DATE TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT DATE MAILED
07/883,619 05/12/93 041	HOVOSAG 81. 3506 01/29/93
First Named Applicant STREICH, STEVE	N A.
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P 70749 AT 100	4. For printing on the patent front page, list the names of not more than 3 registered patent attorneys or agents OR alternatively, the name of a firm having as a member a registered attorney or agent. If no name is listed, no name will be printed. 3 James Ro Duzan Neal 4 R Kennedy
· · · · · · · · · · · · · · · · · · ·	4. For printing on the patent front page, list the names of not more than 3 registered patent attorneys or agents OR alternatively, the name of a firm having as a member a registered attorney or agent. If no name is listed, no name will be printed. THIS SPACE 1.170 0001
P 30348 05/03/93 07883619 DO NOT USE - 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-0000 08-0000000000	4. For printing on the patent front page, list the names of not more than 3 registered patent attorneys or agents OR alternatively, the name of a firm having as a member a registered attorney or agent. If no name is listed, no name will be printed. THIS SPACE 00 030 142 1,170.00CH 00 030 561 45.00CH 6a. The following fees are enclosed:
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P 30348 05/03/93 07883619 DO NOT USE 08-030 P 30349 05/03/93 07883619 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-030 08-000 08-000 08-000 08-0000000 08-00000000	4. For printing on the patent front page, list the names of not more than 3 registered patent attorneys or agents OR alternatively, the name of a firm having as a member a registered attorney or agent. If no name is listed, no name will be printed. 7. It is space 6a. The following fees are enclosed: 8
P 30348 05/03/93 07883619 DO NOT USE 08-036 P 30349 05/03/93 07883619 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-036 08-000000000000000000000000000	4. For printing on the patent front page, list the names of not more than 3 registered patent attorneys or agents OR alternatively, the name of a firm having as a member a registered attorney or agent. If no name is listed, no name will be printed. 7. THIS SPACE 1. 170.00CH 6a. The following fees are enclosed: 1. Issue Fee Advanced Order - # of Copies 15 6b. The following fees should be charged to: DEPOSIT ACCOUNT NUMBER 08-0300 (Enclose Part C)
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P 30348 05/03/93 07883619 08-036 P 30349 05/03/93 07883619 08-036 5. ASSIGNMENT DATA TO BE PRINTED ON THE PATENT (print or type) (1) NAME OF ASSIGNEE: (1) Halliburton Company (2) ADDRESS: (City & State or Country) Duncan, Oklahoma (3) STATE OF INCORPORATION, IF ASSIGNEE IS A CORPORATION Delaware A. This application is NOT assigned.	4. For printing on the patent front page, list the names of not more than 3 registered patent attorneys or agents OR alternatively, the name of a firm having as a member a registered attorney or agent. If no name is listed, no name will be printed. THIS SPACE 00 030 142 1,170.00CH 6a. The following fees are enclosed: Separate R. Kennedy Neal-R. Kennedy Ne
P 30348 05/03/93 07883619 08-03 P 30349 05/03/93 07883619 08-03 5. ASSIGNMENT DATA TO BE PRINTED ON THE PATENT (print or type) (1) NAME OF ASSIGNEE: 1. Halliburton Company (2) ADDRESS: (City & State or Country) Duncan, Oklahoma (3) STATE OF INCORPORATION, IF ASSIGNEE IS A CORPORATION Delaware A. This application is NOT assigned. **Assignment previously submitted to the Patent and Trademark Office.	4. For printing on the patent front page, list the names of not more than 3 registered patent attorneys or agents OR alternatively, the name of a 2 firm having as a member a registered attorney or agent. If no name is listed, no name will be printed. 7. THIS SPACE 7. The following fees are enclosed: 8. The following fees are enclosed: 8. The following fees should be charged to: 9. DEPOSIT ACCOUNT NUMBER 1. The following fees should be charged to: 9. (Minimum of 10) 1. Sissue Fee 1. Advanced Order - # of Copies 1. (Minimum of 10) 1. The COMMISSIONER OF PATENTS AND TRADEMARKS is requested to apply the page Fee to the application identified above.
P 30348 05/03/93 07883619 08-036 P 30349 05/03/93 07883619 08-036 5. ASSIGNMENT DATA TO BE PRINTED ON THE PATENT (print or type) (1) NAME OF ASSIGNEE: (1) Halliburton Company (2) ADDRESS: (City & State or Country) Duncan, Oklahoma (3) STATE OF INCORPORATION, IF ASSIGNEE IS A CORPORATION Delaware A. This application is NOT assigned.	4. For printing on the patent front page, list the names of not more than 3 registered patent attorneys or agents OR alternatively, the name of a firm having as a member a registered attorney or agent. If no name is listed, no name will be printed. 6a. The following fees are enclosed: 6b. The following fees are enclosed: 6c. The following fees should be charged to: DEPOSIT ACCOUNT NUMBER (Enclose Part C) Any Deficiencies in Enclosed Fees The COMMISSIONER OF PATENTS AND TRADEMARKS is requested to apply the Issue Fee to the application identified above. (Signature of parts in interest record) (Date)
P 30348 05/03/93 07883619 08-03 P 30349 05/03/93 07883619 08-03 5. ASSIGNMENT DATA TO BE PRINTED ON THE PATENT (print or type) (1) NAME OF ASSIGNEE: (2) ADDRESS: (City & State or Country) Duncan, Oklahoma (3) STATE OF INCORPORATION, IF ASSIGNEE IS A CORPORATION Delaware A. This application is NOT assigned. Assignment previously submitted to the Patent and Trademark Office. Assignment is being submitted under separate cover. Assignments should	4. For printing on the patent front page, list the names of not more than 3 registered patent attorneys or agents OR alternatively, the name of a firm having as a member a registered attorney or agent. If no name is listed, no name will be printed. 6a. The following fees are enclosed: 6b. The following fees should be charged to: DEPOSIT ACCOUNT NUMBER (Enclose Part C) Any Deficiencies in Enclosed Fees The COMMISSIONER OF PATENTS AND TRADEMARKS is requested to apply the Issue Fee to the application identified above. (Signature of parts in interest record) James R. Duzan 1 James R. Duzan Neal R. Kennedy Neal R. Kennedy Neal R. Kennedy Miner R. Kennedy Meal R. Kennedy

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